

What is claimed is:

1. A three-dimensional imaging decorating sheet made by injection molding or plastic-molding, characterized in that:

5 the decorating sheet is a semi-transparent thin plastic plate and has non-flat embossment figure on surfaces thereof; the embossment figure is not uniform in thickness; thick regions of the embossment figures present as a dark image when they are radiated by light and thin regions of the embossment figures present as a bright image
10 when they are radiated by light; therefore, as a backside of the decorating sheet faces to a light source, a three-dimensional image will present to the viewer.

2. The three-dimensional imaging decorating sheet as claim in claim 1, wherein two surfaces of the decorating sheet have two embossment figures, respectively; the two embossment figures are symmetric and matched to each other so that as light transmits through the
15 decorating sheet, the two embossment figures are matched and thus presents as a whole overlapped image.

3. A method for manufacturing a three-dimensional imaging decorating
20 sheet so that a thin plate has embossment figures at one surface or two surface of the three-dimensional imaging decorating sheet, comprising the steps of:

inputting figures to a computer for performing a predetermined image processing;

25 performing chromatography to the input figures;

converting results of the chromatography into control codes;
inputting the control codes to a CNC machine for machining an mold
based on the control codes; and
injecting plastics to the mold to form a plastic decorating sheet.